

Title (en)
Method of estimating temperature and device for the effecting of the same

Title (de)
Verfahren zum Schätzen einer Temperatur und Gerät zur Durchführung des Verfahrens

Title (fr)
Méthode pour estimer une température et dispositif pour le réaliser

Publication
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Application
EP 01111347 A 20010509

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Abstract (en)
In accordance with the presence or absence of heat, a transistor (300) shows a relatively rapid change, while a cooling water CLW shows a relatively gentle change. The temperatures of both members settle down to approximately equal temperatures when no heat is generated in the transistor (300). At this time, the temperature of one of the transistor or the cooling water and the amount of energization of the transistor (300) are used to estimate the temperature of the other member. This method is applied to other temperature estimations, such as estimation of the temperature between a stator coil and a stator iron core of a motor etc. <IMAGE>

IPC 1-7
G01K 7/42

IPC 8 full level
G01K 13/02 (2006.01); **B60K 6/20** (2007.10); **B60K 6/445** (2007.10); **B60W 10/00** (2006.01); **B60W 10/08** (2006.01); **B60W 10/30** (2006.01); **B60W 20/00** (2016.01); **G01K 1/14** (2006.01); **G01K 1/16** (2006.01); **G01K 3/08** (2006.01); **G01K 7/42** (2006.01); **G05B 11/36** (2006.01); **G05B 13/04** (2006.01); **G05D 23/19** (2006.01); **H02K 11/00** (2016.01); **H02M 1/00** (2007.01)

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Citation (applicant)
• JP H07234162 A 19950905 - TOSHIBA CORP
• JP H1062266 A 19980306 - TOYOTA MOTOR CORP
• EP 0826951 A1 19980304 - DAIMLER BENZ AG [DE]
• FR 2096444 A1 19720218 - GEN ELECTRIC [US]

Citation (search report)
• [XP] DE 19852080 C1 20000817 - TRW AUTOMOTIVE ELECTRON & COMP [DE]
• [X] EP 0826951 A1 19980304 - DAIMLER BENZ AG [DE]
• [X] FR 2096444 A1 19720218 - GEN ELECTRIC [US]
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• [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08 30 June 1998 (1998-06-30)

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